

CLAIMS:

1. Apparatus that prints user specified material on a hardcopy medium having at least two sides, comprising:

- an image processor that inputs and corrects at least one user specified image
5 into a processed image digital file;
an encoder that converts a user specified digital file into a pattern; and
a printing device coupled to said image processor and coupled to said encoder
to print said user specified image from said processed image digital file on a first side
of the hardcopy medium and print said pattern as a plurality of machine readable
10 marks on a second side of the hardcopy medium.

2. Apparatus in accordance with claim 1 wherein said apparatus further comprises a kiosk.

3. Apparatus in accordance with claim 1 wherein said user specified digital
15 file further comprises said processed image digital file.

4. Apparatus in accordance with claim 1 further comprising a sound processor
coupled to said encoder to create an audio digital file for specification as said user
20 specified digital file.

5. Apparatus in accordance with claim 1 further comprising a data processor
coupled to said encoder to create a data digital file for specification as said user
specified digital file.

6. Apparatus in accordance with claim 1 further comprising a document
composer coupled to said image processor and said encoder to receive input for said
first side and said second side, respectively, and coupled to said printing device to
provide a duplexed output to said printing device.

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7. Apparatus in accordance with claim 1 further comprising an interface device by which a user may enter formatting commands at least to said image processor.

5 8. A method of creating user specified material on a hardcopy medium having at least two sides, comprising the steps of:
accepting at least one image file;
encoding a user selected digital file;
printing an image from said accepted at least one image file on a first surface
10 of the hardcopy medium; and

printing said encoded file as a plurality of machine readable marks on a second surface of the hardcopy medium.

15 9. A method in accordance with the method of claim 8 further comprising the step of accepting payment for printing said image and said encoded file on the hardcopy medium.

20 10. A method in accordance with the method of claim 8 wherein said step of accepting said at least one image file further comprises the step of selecting an input for said at least one image file.

25 11. A method in accordance with the method of claim 10 wherein said step of selecting an input further comprises the step of selecting an input of an external camera.

 12. A method in accordance with the method of claim 10 wherein said step of selecting an input further comprises the step of selecting an input of a user stored scanned image.

30 13. A method in accordance with the method of claim 10 wherein said step of selecting an input further comprises the step of selecting an input of an image negative or positive for scanning to create an at least one image file.

14. A method in accordance with the method of claim 10 wherein said step of selecting an input further comprises the step of selecting an input of a previously stored image file.

5 15. A method in accordance with the method of claim 14 wherein said step of selecting an input of a previously stored image file further comprises the step of providing a link to an accompanying audio file.

10 16. A method in accordance with the method of claim 10 wherein said step of selecting an input further comprises the step of selecting an input of an internal camera.

15 17. A method in accordance with the method of claim 16 wherein said step of selecting an input of an internal camera further comprises the step of saving an image from said internal camera as said at least one image file.

20 18. A method in accordance with the method of claim 8 wherein said step of encoding a user selected digital file further comprises the step of accepting a selection of a digital file.

 19. A method in accordance with the method of claim 18 wherein said step of accepting a selection of a digital file further comprises the step of accepting a selection of a digital audio file.

25 20. A method in accordance with the method of claim 19 wherein said step of accepting a selection of a digital audio file further comprises the step of selecting from a library of digital audio files.

30 21. A method in accordance with the method of claim 19 wherein said step of accepting a selection of a digital audio file further comprises the step of activating a microphone.

22. A method in accordance with the method of claim 18 wherein said step of accepting a selection of a digital file further comprises the step of accepting a selection of said at least one image file.

5 23. A method in accordance with the method of claim 18 wherein said step of accepting a selection of a digital file further comprises the step of accepting a selection of input data.

10 24. A method in accordance with the method of claim 8 wherein said step of accepting at least one image file further comprises the step of processing said accepted at least one image file.

15 25. A method in accordance with the method of claim 8 wherein said step of encoding said user selected digital file further comprises the step of encoding said user selected digital file into a pattern.

20 26. A method in accordance with the method of claim 25 wherein said step of printing said encoded file further comprises the step of depositing said pattern as said plurality of machine readable marks.

25 27. A method in accordance with the method of claim 8 further comprising the step of composing said accepted at least one image file and said encoded user selected digital file for respectively printing on said first surface and said second surface of said hardcopy medium.

28. A hardcopy output produced in accordance with the method of claim 8.

30 29. A correspondence medium having at least two visible surfaces, comprising:
a user-selected image disposed on a first visible surface of the correspondence medium;

a postal frank disposed on a second visible surface of the correspondence medium; and

user-selected data, encoded in the form of machine-readable marks, disposed on said second visible surface of the correspondence medium and spaced apart from
5 said postal frank.

30. A correspondence medium in accordance with claim 29 wherein said user-selected data further comprises a digital audio file.

10 31. A correspondence medium in accordance with claim 29 wherein said user-selected data further comprises a digital file of an image.

32. A correspondence medium in accordance with claim 31 wherein said digital file of an image further comprises a digital file of said user-selected image.

15 33. A correspondence medium in accordance with claim 29 wherein said user-selected data further comprises a digital file of input data.